

Receipt  
1600

#6  
BP  
3-14-02

In re Application of: Darst et al. Application No: 09/782,714 Filed: February 13, 2001 For: <i>A Crystal of Bacterial Core RNA Polymerase</i>	Examiner: Not yet assigned Group Art Unit: 1631 Attorney Ref. No: IPT-011.02 (former 600-1-258DIV)
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Assistant Commissioner for Patents  
Washington, DC 20231

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<b>Certificate of First Class Mailing (37 CFR 1.8(a))</b>	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date set forth below.	
<u>February 12, 2002</u> Date of Signature and Mail Deposit	By: <u><i>Paul Williams</i></u>

**REQUEST FOR CHANGE OF ATTORNEY ADDRESS AND DOCKET NUMBER**

Sir:

1) Effective immediately, please change the correspondence address in this application to:

**Customer No: 25181**  
Patent Group  
Foley, Hoag & Eliot LLP  
One Post Office Square  
Boston, MA 02109-2170  
Tel. (617) 832-1000  
Fax. (617) 832-7000

2) Please also change the Docket Number to: IPT-011.02

Should there be any questions concerning this request, the Examiner is invited to contact the undersigned at (617) 832-1000.

Respectfully Submitted,

Date: February 12, 2001

***Customer No: 25181***

Patent Group

Foley, Hoag & Eliot LLP

One Post Office Square

Boston, MA 02109-2170

A handwritten signature in cursive script, reading "Isabelle M. Clauss", written over a horizontal line.

Isabelle M. Clauss

Reg. No. 47,326

Tel. (617) 832-1000

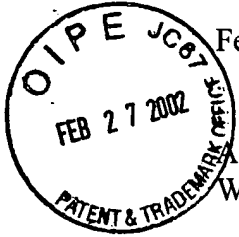
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**FOLEY  
HOAG**  
ATTORNEYS AT LAW

February 12, 2002

Assistant Commissioner of Patents  
Washington, DC 20231



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Isabelle M. Clauss, Ph.D., J.D.  
Boston Office  
617.832.1177  
iclauss@foleyhoag.com

Re: U.S. Patent Application No.: 09/782,714  
Entitled: *A Crystal of Bacterial Core RNA Polymerase*  
Filed: February 13, 2001; By: Darst et al.  
Group Art Unit: 1631  
Atty Ref: IPT-011.02 (former 600-1-258DIV)

Dear Sir:

Enclosed for filing in the above-referenced patent application, please find the following:

1. Revocation of Power of Attorney or Authorization of Agent - Rockefeller University (1 page);
2. Power of Attorney or Authorization of Agent - Rockefeller University (1 page);
3. Statement Under 37 C.F.R. § 3.73(b), with attachments - Rockefeller University (8 pages);
4. Revocation of Power of Attorney or Authorization of Agent - Rutgers University (1 page);
5. Power of Attorney or Authorization of Agent - Rutgers University (1 page);
6. Statement Under 37 C.F.R. § 3.73(b), with attachments - Rutgers University (7 pages);
7. Request for Change of Attorney Address and Docket Number (2 pages); and
8. Return Receipt Postcard.

The Commissioner is hereby authorized to charge any under-payments or credit any over-payments to our Deposit Account No. 06-1448.

20/491594.1

USSN: 09/782,714

February 12, 2002

Page 2

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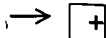
February 12, 2002  
Date

Isabel Williams

Respectfully submitted,  
FOLEY, HOAG & ELIOT LLP

I. M. Clauss

Isabelle M. Clauss, Ph.D.  
Reg. No. 47,326  
Attorney for Applicants  
Customer ID No. 25181

**REVOCATION OF POWER OF  
ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DIV)

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:☒ Customer Number 25181Place Customer  
Number Bar Code  
Label here

OR

☐ Firm or  
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name

For, The Rockefeller University: KATHLEEN A. DENIS, Ph.D  
DIRECTOR OF TECHNOLOGY TRANSFER

Signature

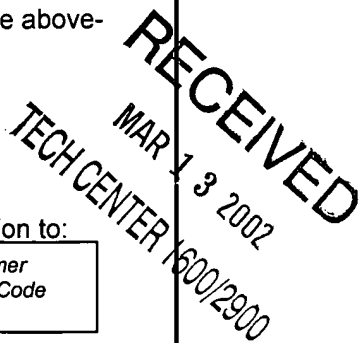
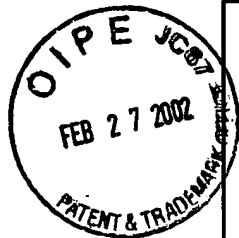
Date

5 Feb 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011:02 (formerly 600-1-258 DIV)

I hereby appoint:

☒ Practitioners at Customer Number

25181

Place Customer  
Number Bar Code  
Label here

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant.☐ Assignee of record of the entire interest. See 37 CFR 3.71.☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

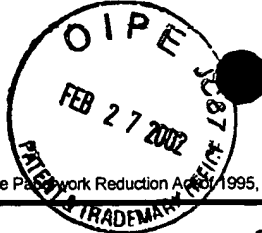
Name	For The Rockefeller University: <b>KATHLEEN A. DENIS, Ph.D</b>
Signature	<i>Kathleen A. Denis</i> <b>DIRECTOR OF TECHNOLOGY TRANSFER</b>
Date	<b>5 Feb 2002</b>

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: The Rockefeller UniversityApplication No./Patent No.: 09/782,714Filed/Issue Date: February 13, 2001Entitled: Crystal of Bacterial Core RNA PolymeraseThe Rockefeller Universitya university

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010438, Frame 0899, or for which a copy thereof is attached. (Assignment filed in Parent Application 09/396,651)

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

5 Feb 2002  
Date

Kathleen A. Denis  
Signature  
**KATHLEEN A. DENIS, Ph.D**  
**DIRECTOR OF TECHNOLOGY TRANSFER**  
Typed or printed name  
For The Rockefeller University  
Title

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

MARCH 11, 2000

PTAS

KLAUBER & JACKSON  
DAVID A. JACKSON  
411 HACKENSACK AVENUE, 4TH FLOOR  
HACKENSACK, NJ 07601



\*101228144A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/1999

REEL/FRAME: 010438/0899  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
DARST, SETH A.

DOC DATE: 11/29/1999

ASSIGNOR:  
ZHANG, GONGYI

DOC DATE: 12/01/1999

ASSIGNOR:  
CAMPBELL, ELIZABETH

DOC DATE: 11/29/1999

ASSIGNEE:  
ROCKEFELLER UNIVERSITY, THE  
1230 YORK AVENUE  
NEW YORK, NEW YORK 10021-6399

SERIAL NUMBER: 09396651  
PATENT NUMBER:

FILING DATE: 09/15/1999  
ISSUE DATE:

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010438/0299 PAGE 2

MAYA BENNETT, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1595  
(Rev. 6/93)

12-20-1999



101228144

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

EET

Attorney Docket No. 600-1-258

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seth A. Darst; Gongyi Zhang; and Elizabeth Campbell

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other: \_\_\_\_\_

Execution Date: November 29, 1999; December 1, 1999;  
and November 29, 1999

2. Name and address of receiving party(ies):

Name: The Rockefeller University

Address: 1230 York Avenue

New York, NY 10021-6399

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/396,651

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson

Address: KLAUBER & JACKSON

411 Hackensack Avenue, 4th Floor

Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account, if necessary -  
for overages or underpayments only

8. Deposit account number:

11-1153

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael D. Davis, Reg. No. 39,161  
Name of Person Signing

Michael D. Davis  
Signature

12/1/99  
Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner For Patents  
Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT**

WHEREAS, WE,

Seth A. Darst, a citizen of United States, residing at  
500 East 63rd Street, Apt. 16J  
New York, NY 10021;

Gongyi Zhang, a citizen of People's Republic of China, residing at  
c/o National Jewish Medical & Research Center  
1400 Jackson Street, K520  
Denver CO 80206; and

Elizabeth Campbell, a citizen of the United States, residing at  
500 East 63rd Street, Apt. 16J  
New York, NY 10021;

have invented certain new and useful improvements in

**A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF  
USE THEREOF**

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS, THE ROCKEFELLER UNIVERSITY,  
an education corporation organized and existing under  
the laws of the State of New York,  
with office at 1230 York Avenue, New York, NY 10021-6399,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

**SETH A. DARST; GONGYI ZHANG; AND ELIZABETH CAMPBELL**

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

**THE ROCKEFELLER UNIVERSITY,**

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which



may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

THE ROCKEFELLER UNIVERSITY,


its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

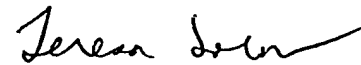
Date 11/29, 1999

  
\_\_\_\_\_  
SETH A. DARST L.S.

State of Ny :  
County of Ny : ss.


TERESA L. SOLOMON  
Notary Public, State of New York  
No. 31-4989836  
Qualified in New York County  
Commission Expires Dec. 16, 2001

Before me this      day of      1999, personally appeared Seth A. Darst, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC

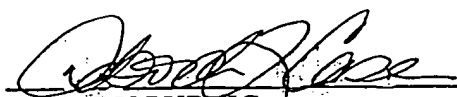
(Affix Seal Here)

Date December 1, 1999

  
\_\_\_\_\_  
GONGYI ZHANG L.S.

State of Colorado :  
County of Denver : ss.

Before me this      day of      1999, personally appeared Gongyi Zhang, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC  
Deborah L. Case

(Affix Seal Here)

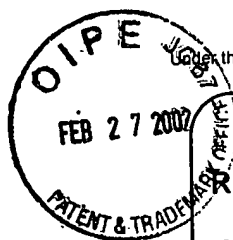
Please type a plus sign (+) inside this box



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# REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DNY)

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OR

☐ Please change the correspondence address for the above-identified application to:

☒ Customer Number 25181

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Number Bar Code  
Label here

OR

☐ Firm or  
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.  
*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

## SIGNATURE of Applicant or Assignee of Record

Name

For Rutgers, The State University of New Jersey: William T. Adams

Signature

Date

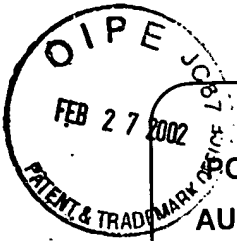
February 5, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# **POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DIV)

I hereby appoint:

☒ Practitioners at Customer Number

25181

Place Customer  
Number Bar Code  
Label here

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant.☐ Assignee of record of the entire interest. See 37 CFR 3.71.☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## **SIGNATURE of Applicant or Assignee of Record**

Name	For Rutgers, The State University of New Jersey: <u>William T. Adams</u>
Signature	<u>[Signature]</u>
Date	<u>February 5, 2002</u>

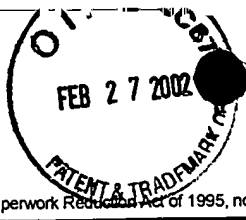
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Rutgers, The State University of New Jersey

Application No./Patent No.: 09/782,714

Filed/Issue Date: February 13, 2001

Entitled: Crystal of Bacterial Core RNA Polymerase

Rutgers, the State University of New Jersey, a university

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010439, Frame 0184, or for which a copy thereof is attached. (Assignment filed in Parent Application 09/396,651)

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 5, 2002  
Date

William T. Adams  
Signature

William T. Adams  
Typed or printed name

For Rutgers, The State University of New Jersey  
Title



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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MARCH 13, 2000

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\*101228047A\*

KLAUBER & JACKSON  
DAVID A. JACKSON  
411 HACKENSACK AVENUE, 4TH FLOOR  
HACKENSACK, NEW JERSEY 07601

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/1999

REEL/FRAME: 010439/0184  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
MINAKIN, LEONID

DOC DATE: 12/01/1999

ASSIGNOR:  
SEVERINOV, KONSTANTIN

DOC DATE: 12/01/1999

ASSIGNEE:  
RUTGERS, THE STATE UNIVERSITY OF  
NEW JERSEY  
58 BEVIER ROAD  
PISCATAWAY, NEW JERSEY 08854-8010

SERIAL NUMBER: 09396651  
PATENT NUMBER:

FILING DATE: 09/15/1999  
ISSUE DATE:

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010439/0184 PAGE 2

MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-20-1999

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

1999 DEC 13 AM 10:11

Attorney Docket No. 600-1-258

OPRAEFNANCE

Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Leonid Minakin and Konstantin Severinov

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Other: \_\_\_\_\_

Execution Date: December 1, 1999 (respectively)

## 2. Name and address of receiving party(ies):

Name: Rutgers, The State University of New JerseyAddress: 58 Bevier RoadPiscataway, NJ 08854-8010Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/396,651

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. JacksonAddress: KLAUBER & JACKSON411 Hackensack Avenue, 4th FloorHackensack, New Jersey 076016. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.00☒ Enclosed☐ Authorized to be charged to deposit account, if necessary -  
for overages or underpayments only

## 8. Deposit account number:

11-1153

(Attach duplicate copy of this page if paying by deposit account)

12/20/1999 JSHABAZZ 00000090 09396651

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael D. Davis, Reg. No. 39,161  
Name of Person SigningMichael D. Davis  
Signature12/16/99  
DateTotal number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner For Patents  
Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT**

WHEREAS, WE,

Leonid Minakin, a citizen of Russia, residing at  
190 Frelinghuysen Road  
Piscataway, NJ 08854; and

Konstantin Severinov, a citizen of Russia, residing at  
114 Bayard Street  
New Brunswick, NJ 08093

have invented certain new and useful improvements in

**A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF  
USE THEREOF**

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS, RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,  
an education corporation organized and existing under  
the laws of the State of New York,  
with office at 58 Bevier Road, Piscataway, NJ 08854-8010,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

**LEONID MINAKIN AND KONSTANTIN SEVERINOV**

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

**RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,**

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and

request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

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its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date Dec. 1, 1999

[Signature] L.S.  
LEONID MINAKIN

State of New Jersey  
County of Middlesex : ss.

Before me this 1 day of Dec. 1999, personally appeared Leonid Minakin, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

[Signature]  
NOTARY PUBLIC  
LOREL M. NICHOL  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Nov. 10, 2003

(Affix Seal Here)

Date Dec. 1, 1999

[Signature] L.S.  
KONSTANTIN SEVERINOV

State of New Jersey  
County of Middlesex : ss.

Before me this 1 day of Dec. 1999, personally appeared Konstantin Severinov, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

[Signature]  
NOTARY PUBLIC  
LOREL M. NICHOL  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Nov. 10, 2003

(Affix Seal Here)